







OPINION

Herald INTERNATIONAL Tribune

Published With The New York Times and The Washington Post

Zones of Peace, Zones of Turmoil: A New Order of Hope

By Max Singer

Behind the Errors at Waco

It is too late for President Bill Clinton and Attorney General Janet Reno to undo their seven months of delay in removing William Sessions as director of a demoralized FBI...

Volunteerism Has Limits

President Bill Clinton was enthusiastic Tuesday when he spoke at the University of Maryland to a group of young people who had just finished a summer of work on public service projects...

Seven Deadly Minutes

If cutting back has failed, if going cold turkey has failed, if the patch has failed, take heart. There is a new, very simple way to give up smoking...

Other Comment

A Breakthrough or a Sellout? Secretary of State Warren Christopher has rightly hailed the historic Israeli-PLO agreement on self-rule as a "conceptual breakthrough"...

WASHINGTON — In the post-Cold War world, there is no longer a single decisive threat. But there is a new framework to world politics. Its essential feature is that the world is divided between zones of turmoil and development and zones of peace and democracy...

Americans Entangling America

By George F. Will

WASHINGTON — In a pre-dawn raid in Somalia on Monday, U.S. Rangers dropped down ropes from helicopters hovering over what the Rangers suspected was a fugitive warlord or his operatives...

And because the great democracies cannot imagine going to war with each other, there will be no point in organizing themselves into competing political-military power blocs...



By KAL in The Economist (London, C&W Syndicate)

so entangled, there will be little said about anything as vulgar as America's national interests. For some Americans the special virtue of the Somalia intervention is the utter absence of any connection with a vital U.S. interest...

Mideast Peace: A Last-Gasp Gamble by Two Weakened Players

By William Pfaff

PARIS — It is dangerous to attempt to make peace from weakness, because of weakness. That is the risk in the Israel-PLO peace program made known this week...

America Should Now Referee the Syria-Israel Bout

By Gideon Rafael

JERUSALEM — Entering the 11th round of the Arab-Israeli prize fight, the mood and outlook have changed. Up to now, the fight has been mostly shadow-boxing...

return to the sterile Middle Eastern terrorism of the past. There is an aspect to all this of which few seem aware. This struggle is not one that originally had anything to do with the Middle East...

1893: Killer Tidal Wave

NEW YORK — Further and more distressing news has been received of the work of the gale at Port Royal, South Carolina. The tidal wave overwhelmed hundreds and carried them off...

The writer is a former director general of the Israeli Foreign Ministry and former ambassador to the United Nations. He contributed this comment to the International Herald Tribune.

IN OUR PAGES: 100, 75 AND 50 YEARS AGO

- 1893: Killer Tidal Wave
1943: Italy Is Shelled
1918: Lenin Is Wounded

International Herald Tribune
KATHARINE GRAHAM, ARTHUR OCHS SULZBERGER
RICHARD McCLEAN, Publisher & Chief Executive
JOHN VINOCUR, Executive Editor & Vice President

Handwritten Arabic text at the bottom of the page.

OPINION

Gore Offers a Prescription To Cure 'Clinton Fatigue'

By E. J. Dionne Jr.

WASHINGTON — President Bill Clinton's vacation was good for him because he got some deserved time off...

By helping reinvent government, Clinton can show that Democrats are as enthusiastic about effectiveness as they are about activism.

I have found it easy to say that he stands for nothing or for everything. That the critics have it wrong is easily proven.

But Mr. Clinton has created a solid base of political enemy without building a firm coalition of political friendship.

That is where reinventing government and Vice President Al Gore's National Performance Review come in.

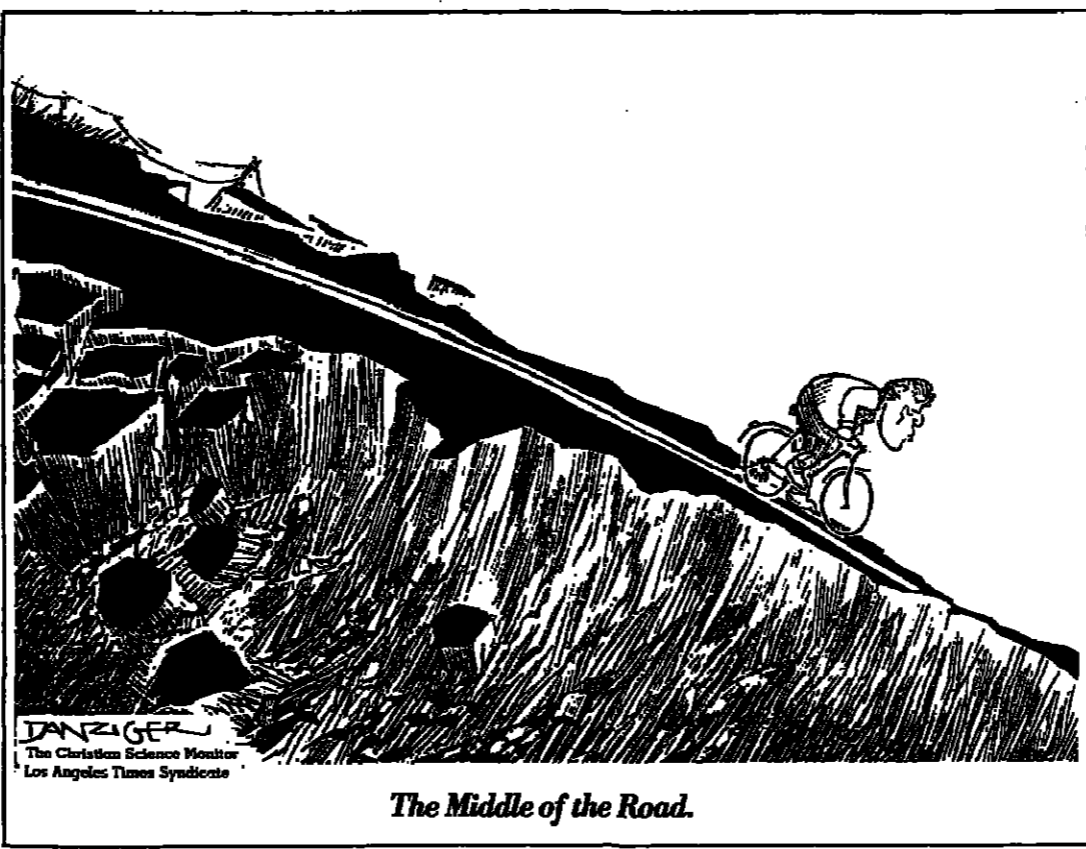
Behind the project are some basic assumptions: (1) government is not working all that well; (2) most Americans know it; and (3) those who want to use government to solve social problems...

public confidence in its capacities. Mr. Gore's report tries to attack these problems from several directions.

Mr. Gore also proposes that government be pragmatic in deciding which services are best performed in-house by public agencies and which should be put out to bid to private companies.

But the idea behind this project is central to the message Mr. Clinton needs to convey if he wants his presidency to be successful.

The Washington Post.



The Middle of the Road.

LETTERS TO THE EDITOR

The President as Salesman

Regarding "Since When Is It the President's Job to Sell Airplanes?" (Opinion, Aug. 26):

Hobart Rowen does a disservice to American export business. He argues that President Bill Clinton should not "descend" to the level of a salesman.

Mr. Clinton is a salesman. This is not a criticism. It is a recognition of a country's worldwide leadership.

But when President Clinton is right, Mr. Rowen should lay off.

VICTOR H. FRANK JR.  
Guangzhou, China.

Editor's Note: The writer is a former U.S. ambassador to the Asian Development Bank in Manila.

Under Two Flags

Regarding "Don't Blindly Follow the UN Lead" (Opinion, Aug. 21) by Robert C. Byrd:

Senator Byrd, in his criticism of the Clinton administration's plans to allow U.S. troops to serve under the UN flag on a regular basis...

whereby democratic institutions are identified and supported in post-conflict areas to prevent a recurrence of war.

SUSANNE OLLMAN.  
Bonn.

Japan's War Guilt

Regarding "Japan's Asian Neighbors Require a Full Apology" (Opinion, Aug. 23) by Lee Pok Ping:

I am sure that all Japan-watchers are pleased by the attitude of the new prime minister, Morihiro Hosokawa, concerning Japan's war guilt.

Still Bailing Water, Iowa Looks Forward to Snow

By Chris Offutt

IOWA CITY — For the last two months Iowans have had a siege mentality. We stockpiled food and water and built barricades of sand.

Our rivers acted on their own, having acquired ambition and will. They behaved like humanity, taking as much land as possible.

Now it's time to take it back. Cleaning up is harder work than warding off the water.

Sandbags are everywhere, stacked in low walls in neat double rows or thrown pell-mell against doors.

chief weapon against the flood and, like most weapons, they pose their own threat.

Our biggest problem is that the water has not fully gone down yet and we are already stressed out.

A lot of us have lost weight. Many are not sleeping well, and flood nightmares are common.

The drop-in rate at local mental health facilities has sharply risen.

MEANWHILE

Under Two Flags

Japan's War Guilt

Where the Credit Belongs

Letters intended for publication should be addressed "Letters to the Editor" and contain the writer's signature, name and full address.

Letters should be brief and are subject to editing. We cannot be responsible for the return of unsolicited manuscripts.

The writer, author of "The Same River Twice" and "Kentucky Straight," contributed this column to The New York Times.

GENERAL NEWS

5 Nigerian Governors Snub New Regime

The Associated Press

LAGOS — A five-day strike against Nigeria's new government spread dramatically on Wednesday, closing banks nationwide, hampering telephone and electricity service and bringing almost all transportation to a halt.

In another development that threatened to aggravate the crisis, five of Nigeria's 30 state governors vowed not to recognize the new civilian government of Ernest Shonekan, who was appointed by the president, General Ibrahim Babangida, when the dictator resigned under pressure on Thursday.

Participation in the strike had been sporadic in recent days, but surged on Wednesday as more labor sectors joined the work stoppages.

Many Nigerians are lobbying for the installation of the publishing tycoon Moshood K.O. Abiola, the apparent winner of the June 12 presidential election that General Babangida refused to recognize.

The hardest hit area was the southwestern portion of the country, Mr. Abiola's ethnic

stronghold, but the effects were felt everywhere. Most banks were closed after unionized clerks refused to show up and fuel shortages crippled air and ground transportation nationwide.

The National Electric Power Authority was poised to cut off electricity because of shortages of natural gas needed to fire turbine generators.

The natural gas shortages and widespread gasoline and aviation fuel shortages have been caused by walkouts by unionized oil workers.

Through oil companies say production is continuing, distribution has been virtually shut down by the strike.

The Lagos Guardian newspaper said some telephone exchanges had closed down because workers did not show up.

Strikes by air traffic controllers and chronic

aviation fuel shortages have forced the cancellation of most domestic flights.

For the first time, participation in the strikes was spreading to places outside the Lagos region.

Banking and mail delivery was halted in the southeast. Banks even closed in Kano state in the north, the stronghold of General Babangida's Hausa-Fulani tribal supporters.

In one of the more ominous developments, the governors of Oyo, Edo, Ondo, Ogun and Osun states — all western provinces dominated by Mr. Abiola's Yoruba tribe — said they would have no dealings with Mr. Shonekan's government.

Nigerians fear that the political impasse will lead to an ethnic split reminiscent of the 1967-70 civil war, when the eastern Ibo tribe tried to form the nation of Biafra and an estimated 1 million died in the war.

Bokassa Free as Jails Are Opened

The Associated Press

BANGUI, Central African Republic — The outgoing military dictator freed the country's former self-proclaimed emperor, Jean-Bedel Bokassa, on Wednesday and emptied the country's jails.

General Andre Kolingba, eliminated on Aug. 22 in the first round of the nation's first free elections in 12 years, issued a military decree freeing jailed criminals.

Mr. Bokassa said Mr. Bokassa, 72, was escorted out of the cell at a military barracks on the grounds of the presidential Renaissance Palace, but was under guard for his own safety.

Relatives of convicts rushed to jails in Bangui as thousands of prisoners began streaming out.

Mr. Bokassa was a colonel when he seized power in 1965 and proclaimed himself president for life, then emperor. He was deposed in a coup by French troops in 1979 after France, once a friend, became embarrassed by his excesses.

Mr. Bokassa was accused of killing his opponents and of numerous other abuses of human rights. Before he was deposed, he was accused of participating in a prison massacre of 100 schoolchildren

Under a reorganization set to begin next year in Belgium, flunking will be banned in the first two years of secondary school.

Flunking has become such a part of Belgian educational culture, reports Le Soir of Brussels, that some schools take pride in their high rates of failure.

Oslobodjenje, the only daily in Sarajevo to continue to appear during 17 months of war without missing a day, has just celebrated its 50th anniversary.

The surplus of Catholic priests in Ireland is so severe that they're "struggling over one another," writes Father Brendan Hoban of Killala in a church journal, Intercom.

EUROPEAN TOPICS

Germans Intellectuals Advocate A World War II Museum in Berlin

Inspired partly by the recent opening of the Holocaust Museum in Washington, a group of prominent Germans is pressing for construction of a similar museum in Berlin.

Although there are memorials to victims of the Nazi regime in various parts of Germany, there is no museum there that fully documents the Nazis' murder of millions of civilians, reports Stephen Kinzer of The New York Times.

The time has come to present the unimaginable in documentary form," said an appeal signed by more than two dozen politicians, writers, artists, museum directors and theologians.

The appeal was issued by a human-rights group based in Hannover, the Institute for Cultural Research into Peace and Conflict.

Around Europe

Belgium, which holds the European record for failure in school, has decided to turn a page. At present, only one in two Belgian students makes it to graduation in the prescribed period.

In elementary school, 19 percent of Belgian students flunk at least once. This compares to 16 percent in Portugal, 12 percent in France, 7 percent in Spain and, at the other end of the spectrum, 2 percent or less in Germany, Greece, Italy, Denmark and Britain.

Advertisement for Sprint Express international calling. Includes text: 'How to make an international call without Sprint Express', 'How to make an international call with Sprint Express', a list of international numbers, and the Sprint logo.

Handwritten Arabic text: 550 من الأصل











MARKET DIARY

Economic Data Weigh on Stocks

Compiled by Our Staff From Dispatches NEW YORK — U.S. stocks closed mixed Wednesday after weak economic reports stirred doubts about the strength of the recovery, offsetting the recent boost from low interest rates, analysts said.

N.Y. Stocks

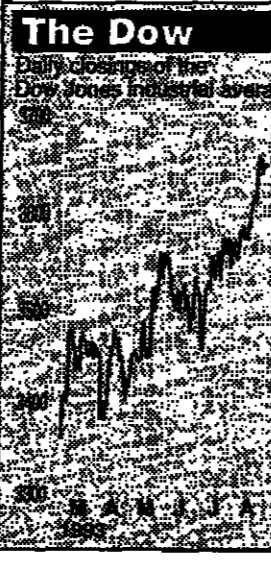
Industrial average dropped 6.15, to 3,645.1, but advancing issues on the New York Stock Exchange outnumbered declines by about a 10-to-9 ratio. A rise in Microsoft, which was up 1 1/2 to 76 1/2, helped the Nasdaq over-the-counter index rise 3.29, to a record 746.15.

Dollar Sinks as Traders Turn Attention to Mark

Compiled by Our Staff From Dispatches NEW YORK — The dollar fell nearly 2 pfennig Wednesday amid a rash of gloomy U.S. economic news and strong demand for Deutsche marks.

Foreign Exchange

The German currency was also boosted by a report that Western German industrial production rose a seasonally adjusted 0.5 percent in July from June, a sign that Germany's recessionary economy may have begun to stabilize, analysts said.



NYSE Most Active

Table with 5 columns: Vol., High, Low, Last, Chg. listing most active NYSE stocks.

AMEX Most Active

Table with 5 columns: Vol., High, Low, Last, Chg. listing most active AMEX stocks.

NYSE Diary

Table listing various NYSE indices and their values.

AMEX Diary

Table listing various AMEX indices and their values.

NASDAQ Diary

Table listing various NASDAQ indices and their values.

Dow Jones Averages

Table showing Dow Jones Industrial Average, S&P 500, and Composite indices.

Standard & Poor's Indexes

Table showing various S&P industry and market indices.

NYSE Indexes

Table showing NYSE industry and market indices.

NYSE Most Active

Table showing NYSE Most Active stocks.

AMEX Most Active

Table showing AMEX Most Active stocks.

NYSE Diary

Table showing NYSE Diary indices.

AMEX Diary

Table showing AMEX Diary indices.

NASDAQ Diary

Table showing NASDAQ Diary indices.

EUROPEAN FUTURES

Table showing European Futures contracts including Food and Metals.

Financial

Table showing Financial Futures contracts including 3-month Sterling.

Industrial

Table showing Industrial Futures contracts.

U.S. FUTURES

Table showing U.S. Futures contracts including Grains and Livestock.

Metals

Table showing U.S. Metals Futures contracts.

Industrials

Table showing U.S. Industrials Futures contracts.

U.S. FUTURES

Table showing U.S. Futures contracts including Grains and Livestock.

Metals

Table showing U.S. Metals Futures contracts.

Industrials

Table showing U.S. Industrials Futures contracts.

Livestock

Table showing U.S. Livestock Futures contracts.

Financial

Table showing U.S. Financial Futures contracts.

Food

Table showing U.S. Food Futures contracts.

Financial

Table showing U.S. Financial Futures contracts.

Food

Table showing U.S. Food Futures contracts.

Financial

Table showing U.S. Financial Futures contracts.

U.S./AT THE CLOSE

More Layoffs at American Airlines

FORT WORTH, Texas (AP) — American Airlines said Wednesday it would lay off an undisclosed number of employees this year because of continuing unsatisfactory financial performance and a need to cut costs.

Hawaiian Airlines Revises Ownership

HONOLULU (Bloomberg) — HAL Inc., the parent company of Hawaiian Airlines, said Wednesday it had revised its restructuring plan to give creditors a larger stake in the company and current shareholders a reduced interest.

Court Unblocks Insurance Takeover

LOS ANGELES (LAT) — Removing what is probably the last obstacle blocking the long-awaited revival of Executive Life Insurance Co., a California appeals court has rejected two legal bids to thwart French investors seeking to take over the Los Angeles company.

For the Record

Seagram Co. said second-quarter earnings had jumped 56 percent, to \$170 million. Revenue at the beverage maker rose slightly, to \$1.44 billion in the quarter, from \$1.41 billion a year ago.

Iraq Talks Pound Oil Prices

LONDON — Oil prices plunged Wednesday on revived prospects that the United Nations may ease its embargo on Iraqi oil sales.

European Stocks Fall Sharply

LONDON — The major European stock markets ended sharply lower Wednesday as investors took profits following recent strong gains. Although analysts said the underlying tone remained bullish, they added that a phase of consolidation should now be expected.

WORLD STOCK MARKETS

Large table showing world stock market data for various cities including Amsterdam, Helsinki, Paris, Tokyo, Sao Paulo, London, Frankfurt, Zurich, Singapore, Stockholm, Toronto, and Montreal.

U.S. FUTURES

Large table showing U.S. futures market data for Grains, Livestock, Metals, Industrials, and Financial contracts.

Large vertical advertisement for Siemens Wixdorf featuring the text 'The Europe thanks its' and an image of a Siemens logo.

Output Rise In Germany Is Illusory

By Reuters
BONN — Industrial output in Western Germany rose 0.5 percent in July, the Federal Statistics Office said Wednesday...

By Reuters
The office added that it expected to revise the overall July figure downward by 1 percent...

Separately, the economic research institute DIW in Berlin said that the federal budget deficit would swell to 73 billion Deutsche marks...

If off-budget items are included, the institute said, the 1993 deficit would actually total 93 billion DM.

The institute said federal, state and local deficits were continuing to grow because of a lack of political will to trim government subsidies as well as the recession.

ABN-Amro: Now, Europe After U.S., Bank Seeks a Wider Base

By Jon Henley
Special to the Herald Tribune

AMSTERDAM — Quietly and unobtrusively, ABN-Amro Bank NV has become one of the three largest foreign banks in the United States...

"We need a third home market after Holland and the United States, and Europe certainly now has the strongest call on our attention," Jan Kalf, board member for the foreign network, said in an interview.

Germany, Belgium and France come first on the list of possible buys, Mr. Kalf said.

The product of a 1991 merger between the two largest Dutch banks, ABN-Amro is the most familiar face in its domestic market and ranks fifth among European banks...

Announcing Friday that its first-half net profit had advanced 16 percent to 1 billion guilders (\$530 million), the bank said it would call on shareholders with a share issue to raise nearly one and a half times that sum...

"Globally, we must compete with banks like Citibank and Deutsche Bank, but from a much smaller home base," Mr. Kalf said. "In competitive markets, we have to acquire the critical mass that will allow us to be a low-cost producer..."

"In Germany it's the reverse," Mr. Kalf said. There, ABN Amro already has a position in corporate banking but seeks a better foothold in the market for well-heeled individuals.

Currently, the United States generates more than half of ABN-Amro's foreign earnings, which themselves accounted for nearly 40 percent of its global 1992 profit of 1.7 billion guilders. In the longer term, the bank targets a 50-50 split between profits earned on Dutch and foreign operations, Mr. Kalf said.

The bank's 1992 revenue totaled 12.3 billion guilders.

"Clearly, we now have to concentrate resources on building up a third home market," Mr. Kalf said. The bank held "more or less serious" takeover talks with some 60 banks last year, he added.

ABN-Amro's U.S. balance-sheet total of \$40 billion puts it among the top 30 U.S. banks and the largest three foreign players. But recent acquisitions have been small measured against its consolidated balance sheet of 492 billion guilders at June 30.

Proceeds from the share issue are not intended solely to fund acquisitions, but also to help the bank respond to a possible 20 percent increase in credit calls from northwest Europe recovers from recession, Mr. Kalf added.

Europe now has the strongest call on our attention

Jan Kalf, board member

northwestern Europe and that ABN-Amro's major corporate clients are most active there, Mr. Kalf said this area was a logical target for the bank's next buy.

"Ideally, we want a solid corporate bank in France to complement our private-banking strengths there," he said, adding that ABN-Amro saw particularly good prospects in the planned privatization of French banks.

"Not that we could swallow Banque Nationale de Paris, for example. But parts of some banks should be spun off, others may regroup. We're looking to take advantage of the shake-up."

Swissair Is Cleared To Forge Link With 3 European Rivals

By Reuters
ZURICH — Switzerland told its national airline Swissair on Wednesday to go ahead with plans to link up with three European rivals.

Swissair, Austrian Airlines, Scandinavian Airlines and KLM Royal Dutch Airlines are seeking to cement an alliance — known as Alcazar — by 1997, saying it is the only way to ensure their survival in the fiercely competitive, deregulated air industry.

The ruling Swiss Federal Council in Bern said that after talks with the Swissair chairman, Hannes Goetz, it saw no reason to stop the airline from signing a memorandum of understanding and entering into formal talks. The decision left Austria as the only country involved not to have given its blessing.

Swissair welcomed Bern's decision, saying it improved the chances of the memorandum being signed by mid-September.

An analyst at Zurich Kantonalbank, Rolf Frey, said it would have been a disaster if the government had not given its approval. "Swissair is losing money at the operating level, and it just cannot go on like this," Mr. Frey said, adding that Swiss voters' 1992 rejection of the European Economic Area, a vast common market, had left Swissair cruelly exposed.

But analysts noted the four airlines must still decide on key issues such as the eventual composition of management and the thorny problem of where the new airline would be centered.

The signing of the memorandum can only go ahead if all the governments concerned say they are ready to make the necessary legal changes. Only the Austrian government, which owns a majority of Austrian Airlines, has yet to sanction the project. Austrian Airlines is still toying with the idea of ditching the Alcazar project to team up with Germany's Lufthansa.

Regional Plans

Lufthansa AG said Wednesday that it may set up a regional airline in collaboration with Austria's Lauda Air, but added that it was waiting to see whether Lauda's rival, Austrian Airlines, would accept its offer of cooperation first.

"It's probable that a regional airline will be set up, but no decision will be taken until after AUA has reached a decision for or against Lufthansa," said Josef Grendel, spokesman for Lufthansa. AUA, as Austrian is known, "is the No. 1 factor in the Austrian market and has to be taken into consideration."

Investor's Europe. Table with columns for Frankfurt, London, Paris, Amsterdam, Stockholm, Helsinki, Lisbon, Athens, Zurich. Rows for DAX, FTSE 100 Index, CAC 40, CERS Index, DAX, PAZ, HEL, Financial Times 30, EASE 100, German Index, AEX, CMO 40, Afdwinstand, SMI, Stock Index, SMI.

Very briefly:

- Mercedes-Benz AG said it expected to boost productivity by 15 percent next year in a move to raise competitiveness. Chief Executive Helmut Werner said the 14,000 job cuts announced recently were essential for Mercedes to face up to international competition.
The Netherlands' gross domestic product rose 0.2 percent in the second quarter from a year ago. It had been unchanged in the first half from a year earlier.
The European Community sent a team for a three-day visit to find out why Sweden wants to retain its state monopoly on alcohol sales. Sweden, which is negotiating entry into the Community, wants to keep the monopoly because it considers alcohol abuse a major social problem.
Tate & Lyle PLC, a British sugar refiner, said earnings for the year ending Sept. 25 would "show a marked improvement" due to increased productivity and better conditions in certain key markets.
Banco Central Hispanoamericano SA, Spain's largest private bank, said it would pay \$180 million for a 20 percent stake in Prima Internacional, a Mexican financial concern.
Banque Bruxelles Lambert, Belgium's third-largest bank, said net profit in the first half had more than doubled to 3.05 billion Belgian francs (\$85.4 million), from 1.46 billion francs a year ago.
Wedgwood Swings Into Profit
DUBLIN — Waterford Wedgwood PLC, the crystal and china maker, returned to profitability in the first half of the year but warned Wednesday that it expected markets to remain tough and that it would not pay a dividend for the period.
The company said it had made a pretax profit of 400,000 Irish punts (\$556,715) for the first half, compared with a loss of 5.8 million punts a year ago. Sales rose slightly to 135.4 million punts, from 130.6 million.
But Chairman Donald Brennan said, "the board does not expect any major economic growth in its markets in the near future." He said the company was likely to benefit from "the more favorable currency situation" following the devaluation of the punt and sterling.
Consolidated sales for the first half rose 2.2 percent to 3.89 billion francs from a year ago.

BLAIR: Bonn and Paris Disagree

Continued from Page 9
planned to make EC exports more competitive. Unlike the price cuts currently planned, any additional lowering of prices would not be cushioned by giving aid in compensation to farmers.

This first proposal is seen as unlikely to be agreed to either by Germany or by French farmers.

The second proposal, and the one seen as having the most potential, would be to exempt existing EC stocks from the cut in subsidized exports agreed upon in the Blair House accord. The Community currently has 21 million metric tons of cereal in stock.

The Blair House accord calls for a 21 percent cut in subsidized cereals exports between now and 2000.

Although this solution would be unacceptable to French farmers, it is seen as the most likely to win

backing from Germany and the United States by leaving the substance of the Blair House accord intact.

The third proposal would involve carving up the world market to meet French demands that it be in a position to gain from any future expansion of the international market. Such a solution is seen as unacceptable to producers outside the European Community and the United States.

Separately, the French Industry and European Affairs ministers presented a memorandum on EC trade policy in a bid to make the Community's weapons against unfair competition more effective and to bring the EC Commission under closer control by the member states.

The ministers also said that newly industrialized countries including Brazil, China, Mexico, the Philippines, Thailand and the fast-growing "dragons" of Asia should be denied EC trade concessions.

Belgium's Effort to Boost The Franc Sends It Lower

Compiled by Our Staff From Dispatches
BRUSSELS — The idea was to restore strength to the Belgian franc. The result was confusion in the currency markets and a drop in the franc's value against the Deutsche mark.

Officials of the Belgian central bank, at a lunch Tuesday for a group of Belgian journalists, sought to reaffirm the bank's commitment to tying the franc's value closely to that of the mark.

But, in an unguarded moment, the central bank's governor, Alfons Verplaetse, said he was reluctant to have the central bank buy Belgian francs on the foreign-exchange market to support the currency.

That was enough to send the franc plunging Wednesday morning. The mark rose as high as 21.60 francs and was last quoted in European trading at 21.44 francs, 4 percent above its central rate of 20.6255 francs in the European exchange-rate mechanism. Belgium has hoped to get the currency back to within 2.25 percent of the central rate.

Traders interpreted his comment as further evidence that support was waning in Europe for close exchange-rate ties to the mark, and the mark gained against other European currencies as well.

The central bank tried Wednesday to control the damage, with a spokeswoman saying it was prepared to use "all instruments available, including intervention in the markets," to support the currency.

The bank also said it preferred to use interest rates to support the franc instead, insisting, "intervention isn't as effective as interest rates." Belgium has yet to cut its main lending rate, the central rate, from 9.5 percent. The rate stood at 6.7 percent two months ago.

Ciba's Profit Holds Steady

Compiled by Our Staff From Dispatches

BASEL, Switzerland — Ciba-Geigy AG, Switzerland's largest chemicals company, said Wednesday it still expected a higher profit for 1993, although the improvement would be limited by unfavorable business conditions.

The company said net profit for the first half totaled 1.413 billion Swiss francs (\$953 million), hardly changed from 1.41 billion a year ago. Profit had risen 19 percent in 1992, to 1.52 billion francs.

Sales fell 2 percent to 11.85 billion francs in the half.

Analysts said that the results were in line with expectations, and showed potential for further growth in 1994.

(Bloomberg, Reuters)

Club Med Sees 2d-Half Loss

Bloomberg Business News

PARIS — Club Méditerranée SA shares fell 7.1 percent Wednesday after the company said it could have a second-half operating loss. The shares fell to 405.10 francs (\$69.60) as volume surged to three times the level of the past three months.

The French hotel and vacation group said a second-half operating loss could occur because of the recession in Europe and political instability in some of its vacation locations. As a result, it said it planned to set aside provisions for losses and cut costs.

In June, the company had reported a net profit of 2 million francs for the six months ended April 30, off from 20 million francs a year earlier.

Consolidated sales for the first half rose 2.2 percent to 3.89 billion francs from a year ago.

SIEMENS NIXDORF logo

Global Leaders

Every year, DATAMATION, the biggest computer magazine in the world, publishes up-to-date rankings under the heading 'Global Leaders'. The 'top 15 IT-companies worldwide' are listed for various product sectors. Result for 1992: Siemens Nixdorf Informationsysteme AG has clearly confirmed its position as European No. 1 in an environment that continues to be very tough. Compared to last year, the company has achieved significant improvements in some of the published sector ranking lists.

The European No. 1 thanks its customers

Ranking in terms of worldwide turnover, 1992. From Datamation, June 1993 edition. Table with columns for Large-scale systems, Midrange, Workstations, Software, Maintenance. Rows 1-15 with Siemens Nixdorf logos.

550 من الأصل

NYSE

Wednesday's Closing
Tables include the nationwide prices up to the closing on Wall Street and do not reflect late trades elsewhere. Via The Associated Press

(Continued)

Table with multiple columns listing stock prices, including NYSE, AMEX, and OTC markets. Columns include stock names, prices, and volume.

INTERNATIONAL FUNDS

Sept. 1, 1993
The marginal symbols indicate frequency of quotations supplied: (D) - daily; (W) - weekly; (B) - biweekly; (M) - monthly; (Q) - quarterly; (Y) - yearly.

Main table of international funds with columns for fund name, ticker, price, and other details. Includes sections for various regions and fund types.

For information on how to list your fund, fax Simon OSBORN at (33-1) 46 37 21 33.

ASDAQ and ROYAL TRUST INTERNATIONAL logos and branding.

Handwritten Arabic text: "صكنا من الاصلين"

# NASDAQ

**Wednesday's Prices**  
NASDAQ prices as of 4 p.m. New York time. This list compiled by the AP consists of the 1,000 most traded securities in terms of dollar value. It is updated twice a year.

| 12 Month High | 12 Month Low | Stock     | Div  | Yld | PE   | High   | Low    | Last   | Chg   |
|---------------|--------------|-----------|------|-----|------|--------|--------|--------|-------|
| 120.00        | 110.00       | IBM       | 4.00 | 3.6 | 12.5 | 120.00 | 110.00 | 115.00 | +5.00 |
| 100.00        | 90.00        | Microsoft | 0.00 | 0.0 | 15.0 | 100.00 | 90.00  | 95.00  | +5.00 |
| 80.00         | 70.00        | Oracle    | 0.00 | 0.0 | 18.0 | 80.00  | 70.00  | 75.00  | +5.00 |
| 60.00         | 50.00        | Cisco     | 0.00 | 0.0 | 20.0 | 60.00  | 50.00  | 55.00  | +5.00 |
| 40.00         | 30.00        | Intel     | 0.00 | 0.0 | 25.0 | 40.00  | 30.00  | 35.00  | +5.00 |

| 12 Month High | 12 Month Low | Stock    | Div  | Yld | PE   | High  | Low   | Last  | Chg   |
|---------------|--------------|----------|------|-----|------|-------|-------|-------|-------|
| 30.00         | 25.00        | Alphabet | 0.00 | 0.0 | 30.0 | 30.00 | 25.00 | 28.00 | +3.00 |
| 20.00         | 15.00        | Amazon   | 0.00 | 0.0 | 35.0 | 20.00 | 15.00 | 18.00 | +3.00 |
| 15.00         | 10.00        | Netflix  | 0.00 | 0.0 | 40.0 | 15.00 | 10.00 | 12.00 | +2.00 |
| 10.00         | 5.00         | Twitter  | 0.00 | 0.0 | 45.0 | 10.00 | 5.00  | 8.00  | +3.00 |
| 5.00          | 2.00         | LinkedIn | 0.00 | 0.0 | 50.0 | 5.00  | 2.00  | 4.00  | +3.00 |

| 12 Month High | 12 Month Low | Stock     | Div  | Yld | PE   | High  | Low  | Last | Chg   |
|---------------|--------------|-----------|------|-----|------|-------|------|------|-------|
| 10.00         | 8.00         | Facebook  | 0.00 | 0.0 | 55.0 | 10.00 | 8.00 | 9.00 | +1.00 |
| 8.00          | 6.00         | Google    | 0.00 | 0.0 | 60.0 | 8.00  | 6.00 | 7.00 | +1.00 |
| 6.00          | 4.00         | Apple     | 0.00 | 0.0 | 65.0 | 6.00  | 4.00 | 5.00 | +1.00 |
| 4.00          | 2.00         | Microsoft | 0.00 | 0.0 | 70.0 | 4.00  | 2.00 | 3.00 | +1.00 |
| 2.00          | 1.00         | IBM       | 0.00 | 0.0 | 75.0 | 2.00  | 1.00 | 1.50 | +0.50 |

| 12 Month High | 12 Month Low | Stock     | Div  | Yld | PE    | High | Low  | Last | Chg   |
|---------------|--------------|-----------|------|-----|-------|------|------|------|-------|
| 1.00          | 0.50         | Oracle    | 0.00 | 0.0 | 80.0  | 1.00 | 0.50 | 0.75 | +0.25 |
| 0.80          | 0.40         | Intel     | 0.00 | 0.0 | 85.0  | 0.80 | 0.40 | 0.60 | +0.20 |
| 0.60          | 0.30         | Microsoft | 0.00 | 0.0 | 90.0  | 0.60 | 0.30 | 0.45 | +0.15 |
| 0.40          | 0.20         | IBM       | 0.00 | 0.0 | 95.0  | 0.40 | 0.20 | 0.30 | +0.10 |
| 0.20          | 0.10         | Alphabet  | 0.00 | 0.0 | 100.0 | 0.20 | 0.10 | 0.15 | +0.05 |

| 12 Month High | 12 Month Low | Stock    | Div  | Yld | PE    | High | Low  | Last | Chg   |
|---------------|--------------|----------|------|-----|-------|------|------|------|-------|
| 0.10          | 0.05         | Amazon   | 0.00 | 0.0 | 105.0 | 0.10 | 0.05 | 0.08 | +0.03 |
| 0.08          | 0.04         | Netflix  | 0.00 | 0.0 | 110.0 | 0.08 | 0.04 | 0.06 | +0.02 |
| 0.06          | 0.03         | Twitter  | 0.00 | 0.0 | 115.0 | 0.06 | 0.03 | 0.04 | +0.01 |
| 0.04          | 0.02         | LinkedIn | 0.00 | 0.0 | 120.0 | 0.04 | 0.02 | 0.03 | +0.01 |
| 0.02          | 0.01         | Facebook | 0.00 | 0.0 | 125.0 | 0.02 | 0.01 | 0.02 | +0.01 |

| 12 Month High | 12 Month Low | Stock     | Div  | Yld | PE    | High   | Low    | Last   | Chg     |
|---------------|--------------|-----------|------|-----|-------|--------|--------|--------|---------|
| 0.01          | 0.005        | Google    | 0.00 | 0.0 | 130.0 | 0.01   | 0.005  | 0.008  | +0.003  |
| 0.005         | 0.002        | Apple     | 0.00 | 0.0 | 135.0 | 0.005  | 0.002  | 0.004  | +0.002  |
| 0.002         | 0.001        | Microsoft | 0.00 | 0.0 | 140.0 | 0.002  | 0.001  | 0.002  | +0.001  |
| 0.001         | 0.0005       | IBM       | 0.00 | 0.0 | 145.0 | 0.001  | 0.0005 | 0.0008 | +0.0003 |
| 0.0005        | 0.0002       | Alphabet  | 0.00 | 0.0 | 150.0 | 0.0005 | 0.0002 | 0.0004 | +0.0002 |

# STRONGER. TOGETHER.

On September 1, 1993, Royal Bank of Canada successfully completed its acquisition agreement with the Royal Trust group of companies.

Clients of both organizations will continue to be provided with the service they have come to expect. The difference is, Royal Trust is now backed by the capital strength of Royal Bank of Canada.

Royal Bank of Canada is Canada's largest bank and was founded in 1869. Together, with operations in 37 countries, the combined organization offers exceptional breadth and depth of services to corporate and private clients around the world, and now has over \$Cdn 240 billion in client assets under administration.



ROYAL BANK OF CANADA



# SCIENCE & TECHNOLOGY in Singapore



## Research Points the Way To a Prosperous Future

Singapore's government believes the future belongs, not to countries rich in natural resources, but to countries that make the best use of brainpower - collecting information and translating data into products and services.

The island republic's industrial policy reflects this basic premise. It concentrates on creating new jobs in expanding industries rather than protecting jobs in declining industries. And it stresses the importance of primary research and development as the key to creating and maintaining a competitive edge.

Singapore, a relative newcomer to R&D, has historically been a trading nation with no real need for innovation. In 1978, R&D expenditure was just 0.2 percent of gross domestic product. By 1991 this had increased to 1.1 percent.

The country still has a ways to go before catching up with developed countries like Switzerland (2.9 percent of GDP in 1990), the United States (2.8 percent), South Korea (1.8 percent) and Taiwan (1.4 percent). But, as with other areas identified by the government as requiring attention, Singapore is making a concerted effort to rectify this shortfall.

### Close Links Kept With Industries

One of the cornerstones of this effort is the National Technology Plan, which charges the National Science and Technology Board (NSTB) with coordinating R&D efforts through the allocation of grants, scholarships and other support.

So far, 2 billion Singapore dollars (\$1.24 billion) has been allocated to spur R&D efforts in niche areas of manufacturing technology, biotechnology and microelectronics. This is only for practical products

as required by industry, agreed on between private companies and research institutes.

## Institutes That Sustain R&D

Singapore's ambitious National Technology Plan charts the nation's R&D directions in nine technology areas that have been identified as of strategic importance. Research institutes have been set up in four key areas - manufacturing, information technology, electronics and molecular and cell biology. They offer industry-oriented design, development, solutions and guidance.

Since installation, Philips reports that scheduling time has been reduced from 24 hours to four hours.

Funding has been made available and tertiary education research units and statutory boards have been reorganized to offer industry-oriented design, development, solutions and guidance.

The National Science and Technology Board currently funds the following institutes and research centers: the Institute of Molecular and Cell Biology, the Institute of Microelectronics, the GINTIC Institute of Manufacturing Technology, the Institute of Systems Science, the Information Technology Institute, the Center for Wireless Communications, the Magnetics Technology Center and the National Supercomputing Research Center.

Based on this success, the two parties are now working on a second project - the Capacity Planning and Data-Based Retrieval System - which will help Philips' factory decision makers be more flexible with output by making them better informed on critical plant capacity and resources.

Each of these institutes focuses on a specific area of technology and is responsible for training manpower, providing the necessary R&D infrastructure support, transferring technology to their particular industry and developing "pre-competitive" technologies - innovations the industry may not be ready to apply for a further three to eight years.

The institute also works with integrated circuit fabricators utilizing crystal technology and electron microscopy. Companies currently working with IME include Heimann Optoelectronics, Tech Semiconductor, Texas Instruments and Hewlett Packard.

For instance, the Institute of Molecular and Cell Biology's mission is to develop vibrant research in the biological and biomedical sciences to support Singapore's development of biotechnology. A total of 200 scientists work at the institute, half of them with Ph.D.s from North America or Europe.

The Institute of Microelectronics aims to add value to the Singapore electronics industry. IME collaborates with major disc drive and microelectronic companies in material, process and failure analysis; reliability enhancement; design repair; and package/assembly process optimization.

Since 1987, GIMT has been involved in 180 projects with 70 firms, local companies like Singapore Aerospace, Singapore Press Holdings and Singapore Computer Systems, as well as multinationals like IBM, Matsushita Re-



Technology at its best (from the top): An AT&T acoustic testing chamber for cordless telephones; test bench for portable Compaq computers; orchid research at the Institute of Molecular and Cell Biology; the manufacturer of medical instruments at the Baxter plant in Woodlands.

**SONY**

Engineering the Future

Creating value-added products through technology innovation

Sony International (Singapore) Limited  
 Sony Precision Engineering Center (Singapore) Pte Ltd  
 Sony Display Device (Singapore) Pte Ltd

This advertising section was produced in its entirety by the supplements division of the International Herald Tribune's advertising department. It was written by Joseph R. Yogerst and Julia Clerk, free-lance writers based in Singapore.

**PCI** PCI LIMITED

322, Jalan Ahmad Ibrahim, Singapore 2622.  
 Telephone: 2658181 Telex: RS 21085 PCI INC. Fax: 2641731/2641739  
 Cable Address: CIRKOTBOAD

WORLD CLASS OEM CONTRACT MANUFACTURER WITH COMPLETE TURNKEY AND R&D CAPABILITY

Head Office Singapore Tel: (65) 2658181 Fax: (65) 2641739

U.S.A. San Jose, California Tel: (408) 2820200 Fax: (408) 2820216

United Kingdom Berkshire, England Tel: (0344) 668234 Fax: (0344) 668638

Philippines San Pedro, Laguna Tel: (632) 6480182 Fax: (632) 6636701

Indonesia Selangor, Batam Tel: (65) 8838787 Fax: (611) 778-822194

Congratulations to National Science & Technology Board on the launch of TECH MONTH '93

We offer the gate-way to custom solution

In Touch with Tomorrow

**TOSHIBA**

TOSHIBA ELECTRONICS ASIA (S) PTE. LTD. and its Design Centre.

46, Alexandra Road, #21-01 PSA Building, Singapore 0511.  
 Tel: 278 6282 Fax: 278 6056, 271 5155

**SISIR** SINGAPORE INSTITUTE OF STANDARDS AND INDUSTRIAL RESEARCH

We support businesses in Singapore through a wide range of quality and technology services. These include contract R & D, design and development, technological consultancy and training, testing, failure analysis, calibration and other technical services.

For more information, please contact:  
 1 Science Park Drive, Singapore 0511  
 Telephone: (65) 778 7777  
 Telefax: (65) 778 0086

# Policy to Keep Singapore on the 'Cutting Edge'

The chairman of the National Science and Technology Board, Teo Ming Kian, was interviewed by Joseph R. Yogerst.

*Many Southeast Asian nations are now competing for high-tech investment dollars. What does Singapore have to offer over the regional competition?*

Indeed competition has been intense. Competition for investment dollars comes not only from Southeast Asian nations.

It comes from the world over. Our perspective therefore has to be a global one.

There is much that Singapore has to offer to new investors — stable political and social environment, an easy place to live in for expatriates, convenient and reliable communications and financial facilities, open and rational business processes, use of English as a common language.

Besides the various capital grants and tax incentives, investors are also attracted by our well-educated and productive workforce, our desire to help investors maximize their returns (so that the workforce can be paid the highest possible wages), whether through infrastructure development, training of people or risk sharing.

You may already know that Singapore has been rated as the most competitive newly industrialized economy in the World

Competitiveness Report for the 5th year running. It rated Singapore tops in almost all categories, including science and technology. Similarly, Singapore is one of the top three countries in terms of net income for multinational corporations in the Asia-Pacific region.

*Is Singapore just a high-tech manufacturing center, or will the nation become a major hub of science and technology innovation at some point in the future?*

Without a doubt, the manufacturing sector has been and will remain critical to our economy. As the manufacturing sector accounts for 27 percent of our GDP, ensuring that Singapore maintains an ever more productive high-tech manufacturing center is crucial. Such a manufacturing center will be the driving force for Singapore to become a major hub of science and technology innovation. The companies in Singapore and the government ensure we stay competitive. Science and technology must be exploited not only for new products, but new processes for products which meet market needs.

We are moving toward more knowledge-based activities with greater innovative content. This is not

just to benefit manufacturing — the technologies and innovations will be extended to financial, retail and other sectors.

Focus on R&D is essential for high value addition. It was for this reason that NSTB was established in 1991. Our mission is to develop Singapore into a center of excellence in science and technology to enhance the competitiveness of locally based companies. We do this by building up knowledge infrastructure, such as research institutes and centers, increasing our pool of qualified people through our universities and foreign recruitment, encouraging people to upgrade themselves by providing incen-

tives for postgraduate studies, attachments to local or foreign companies or universities, and risk sharing with companies to undertake R&D projects.

*How do local research institutes help to keep private industry at the "cutting edge" of technology in terms of both innovation and competitiveness?*

Our research institutes have two main objectives. Firstly, to develop state-of-the-art technologies which are economically relevant, either for immediate com-

mercialization or for positioning our industries to jump into economic production when opportune. Secondly, to increase the much needed pool of R&D professionals. We currently have nine research institutes and centers. And all of them have joint projects with locally based companies.

They provide the knowledge infrastructure for our industry to tap into. They bring to the table knowledge that is already available, and if not, the enthusiasm and keenness to pursue and uncover the requisite knowledge and know-how.

The intention of such cooperation is not necessarily to keep the industry at the

"cutting edge" of technology, but more importantly at the "cutting edge" of the market, either with niche products or with innovations using existing technologies that will enhance the industry's market competitiveness.

*What are the major obstacles that Singapore companies face in trying to market high-tech products on a global scale against larger competitors from Japan, America and Europe?*

Locally based compa-

nies, including multinational corporations, have always been targeting their production at the international markets. There is really not much of a major obstacle for them. Local companies may face problems in marketing their high-tech products if they compete head-on with established competitors. This is where R&D and innovation will help.

Niche and customized products could be developed for specific markets which we understand, I am talking about markets not just in the Asia Pacific — which through our make-up we can better appreciate — but also U.S. and European markets. The more renowned examples are Creative Technology and Aztech Systems, which command a substantial world market in multimedia sound cards.

*Is the private sector "pulling its weight" in terms of research and development, or should they be contributing a bigger percentage of their profits to high-tech R&D?*

R&D expenditure can never be the sole responsibility of the government. The government can share the risk of an R&D undertaking, but the private sector must be committed and have ownership of the undertaking. That can come about only if they have a stake in the R&D. This will ensure that government expenditure on R&D is economically relevant.



Teo Ming Kian, chairman of the National Science and Technology Board: "Our mission is to develop Singapore as a center of excellence."

The National Technology Plan, when it was drawn up in 1991, stipulated that at least half of the gross expenditure on R&D must come from the private sector.

Results from the 1990 and 1991 surveys show that private sector contribution to such expenditure grew to 54 percent in 1990 and 58 percent in 1991.

Therefore, we are encouraged by the fact that the private sector is "pulling its weight" to the extent that we had expected.

*Can you give some examples of "leading edge" or "niche" technologies that Singapore companies have gained from local R&D?*

In the NSTB context, we will support all economically relevant R&D, whether it is good science or basic research or applied research. That is, the R&D outcome must be applicable for economic gain through immediate commercialization or positioning for future applications. I would therefore place "leading edge" technologies in this context, which necessarily would include the "niche technologies."

I will give you an idea of what I mean. The Institute of Systems Science and Apple Computer are developing technologies for the Asianization of software in language processing. The Information Technology Institute developed the expert system for port management. The Institute of Molecular and Cell Biology, together with Glaxo, is developing screening methodologies for natural products. Hewlett Packard's unit in Singapore developed the company's first color inkjet printer. National Semiconductors' local R&D unit developed a system of inspection to increase their productivity of inspecting integrated circuits by 99 percent.

Local companies Eutech Cybernetics and PCI are developing niche products in process and control engineering and wireless

communications respectively. Both have achieved successes and are strengthening their capabilities through R&D to penetrate international markets.

*Does Singapore have enough science and technology institutes — and science graduates — to keep pace with your ambitious plans for the future?*

It will never be enough. And this is a good sign that the dynamism and demands of the economy cry out for more support. We will be in serious trouble if someone comes and tells us that we have enough science and technology institutes and science and engineering graduates and asks us to stop.

We now have five research institutes and four research centers. They supplement research work conducted in our two universities. NSTB will develop more new centers where the need arises and at the opportune time. Our two universities produce about 2,800 science and engineering graduates a year. We have also targeted to increase the number of research scientists and engineers from 29 per 10,000 in 1990 to 40 per 10,000 by 1995.

Not only will we help companies recruit foreign professionals, we have also implemented a wide spectrum of manpower upgrading incentives, including post-graduate studies, attachment to local and foreign universities and to companies.

*In the same vein, is Singapore developing its high-tech infrastructure fast enough to keep pace with increasing demand?*

I would like to believe we are. But we will continue to maintain our momentum and try to anticipate demands and needs.

The physical development of specialized premises for R&D is on target.

The demand for R&D space is expected to increase at 45,000 square meters annually over the next 10 years. The charac-

ter of these demands may also differ from the past. We are expecting a greater diversity in terms of size, from R&D centers of large corporations to the "incubators" of start-up companies, and technologies ranging from computer design to biotechnology and pharmaceuticals.

The first of the Science Park's four phases is near completion. The second phase has commenced development and will comprise intelligent R&D buildings, innovation centers and research units to match the level of sophistication of the various companies likely to relocate their R&D activities to Singapore.

*Singapore has transformed itself into a high-tech nation in less than three decades. How has your society been able to adjust to so many changes in such a short time span?*

Singaporeans have grown adept to having to make changes. It is necessary that we constantly seek ways to improve and stay ahead.

A major investment over the years has been in our people, in emphasizing the importance of developing skills — in particular, technical skills — that have enabled them to be equipped to handle the waves of technological and economic changes that have affected our businesses.

This is coupled with a pragmatic approach by the government in steering our businesses to achieve economic success.

A big advantage is that we are small. This has allowed "real time" feedback mechanisms and quick responses through the constant interaction between businesses and government policy makers.

The spin-offs from success in our economic development have led to a good quality of life. This has made it that much easier for us to enjoy, rather than to cope, with the changes which have affected our society.



## THE WORLD GETS SMALLER

Voice, data and images traverse the globe—putting information in the hands of people who need it, when and where they need it. It makes for fierce competition.

The growing challenge is to apply telecommunications technology to create real business advantage. Better and faster.

Singapore Telecom has established a reputation with more than 3,000 multi-national customers to do just that.

Providing value-added services from private networks to customised solutions.

All geared to helping deliver information where it counts. Next door, or on the other side of the world.

## THE CHALLENGES INCREASE



**Singapore Telecom**

Service first. Always.

Singapore Telecom Centre, 31 Esplanade Road, Singapore 0222 Tel: 65-730 8018 Fax: 65-733 3008  
Singapore Telecom USA Suite 500, 301 Riverside Avenue, Westport, CT 06880 USA Tel: 1-203-454 6818 Fax: 1-203-454 1823

"I'm sold! Singapore is where we set up in Asia... Now tell me, where do we go in Singapore?"



Settle for no less than Singapore's most prestigious address for R&D: The Singapore Science Park. It is purpose-built for R&D excellence and meets the most specialised needs. The Singapore Science Park offers a variety of space at highly competitive rates. These include:

- The Centre for Information Technology (CINTECH) buildings at Science Park I: Ready-built facilities with special features for IT development
- Multi-tenanted research units: Buildings offering ready-built space which can be fitted out to suit different needs
- Land parcels for customised buildings

Leading companies like AT&T, Du Pont, Exxon Chemicals, Fujitsu, Sony and Reuters have set up at the Singapore Science Park. In addition to excellent facilities and service support, they enjoy the Singapore Science Park's strategic location within the Technology Corridor of Singapore. This places them in close touch with premier R&D centres, hi-tech companies and support industries. Good transportation links, landscaped greenery and full amenities add to an ideal R&D environment.

For top-notch R&D facilities and services, contact Ms Chen Tze-Hui of Technology Parks today. Tel: +65 774 1033; Fax: +65 778 4761



Technology Parks  
Technology Parks Pte Ltd  
16 Science Park Drive #02-01  
The Pasture  
Singapore Science Park  
Singapore 0511

سكنا عن الامم



## Research Points the Way To Prosperity

Continued from Page 15

sees the Singapore Science Park, a center for R&D companies, does not think the local pool of engineers is too small. Rather she feels there is "a lack of engineers working in research and development." She adds that historically, Singapore has been a manufacturing base for multinational corporations and they made an attractive environment for engineers. "We just have to convince the engineers now to shift their focus to R&D," Ms. Chong says.

Another goal of the Technology Plan is to increase R&D expenditure to 2 percent of GDP by 1995, with the private sector taking up much of the slack. In 1990, just over half of Singapore's R&D expenditure was carried out by 266 companies in the private sector. NSTB feels there are another 3,000 companies which should be engaged in innovative activities.

For companies that don't have R&D personnel or facilities, NSTB encourages cooperation with public research institutes and will give financial support. NSTB grants take the form of up-front payments, which help take the risk out of innovation.

If research and development is still in its adolescence, why would companies choose Singapore as an R&D centre?

One primary reason is infrastructure. Singapore is often called the "Intelligent Island," partly because of its high level of computer literacy. A total of 84 percent of firms with more than 10 employees use computers. A peak of 95 percent usage is expected by the end of the decade.

These computers talk to each other. About 40 percent of firms have computers linked to suppliers, business partners and government departments. By 2007, virtually every home, school and business will be interconnected.

### SPACE IS OFFERED FOR STARTUP COMPANIES

as part of the government's IT2000 plan, giving quick and easy access to information and services.

The 1992 World Competitiveness Report states that Singapore's power supply infrastructure is the best of all developing countries in meeting business needs. The island's sea and airports are consistently ranked best in the Asia-Pacific region and the postal service is believed to be the world's first fully computerized nationwide system.

Singapore Telecom offers a highly advanced telephone service, which is set to improve still further through a recently announced 3.5-billion dollar investment in the next five years. Telecom says this investment will enhance national and international networks, ensuring that Singapore remains an attractive location for foreign business investment. Broadband integrated services digital network and optical fiber links to all homes and places of business are among the services that will be introduced.

Meanwhile, the Singapore worker is rated the best you can find anywhere, according to Washington-based Business Environment Risk Intelligence, which has given Singapore top marks for the 12th year running. The Singapore worker came out tops in several categories, including relative productivity, legal framework, worker attitude and technical skills.

Physical location is another important consideration, and here Singapore scores high marks again. Technology Parks was established in 1990 as one of the largest private industrial developers and managers in Singapore. Today the organization looks after the interests of more than 100 Science Park tenants - multinational and local companies as well as government institutions involved in biotechnology, microelectronics, materials technology, precision engineering and telecommunications.

The Science Park is being developed in four phases and will eventually total 110 hectares. Groundbreaking for Phase II is scheduled to take place before the end of this year. A key feature of Phase II will be an Innovation Center and a Business Center.

The Innovation Centre will contain spaces of 50 to 150 square meters for small, start-up companies. It will offer linkages to research institutes, access to relevant government departments and research information in Singapore and abroad through an electronic network. The adjacent Business Center will house consultants offering technology management.

Ms. Chong believes that "by locating these companies together, they will be encouraged to interact and can have access to pool business resources, thereby reducing over-



Making hard disk drives at Conner Peripherals demands a special environment.

heads, and allowing themselves a jump-start in their businesses."

One of the first buildings to be completed in Science Park II (early 1995) will be an amenities center, housing social and community clubs, meeting rooms and a small theater. And the landscaping is to be carefully planned to aid communications and relaxation - with green areas and water features.

The Singapore government is not the only active innovator. Sony has had a R&D laboratory in Singapore since 1987, its first Asian plant outside Japan. The laboratory, which specializes in the development of software, supports Sony operations in South Asia, and also shares its findings with head office and labs in Europe and the United States.

Sony believes that Singapore is one of the most attractive locations for offshore R&D facilities because of the standard of engineering resources - all engineers at the lab are Singaporean, other than the manager, who is Japanese. Sony says it also appreciates the high level of computer literacy. And being able to be situated at the Science Park allows Sony to interact with other scientists and have access to nearby research institutes like the National University of Singapore and the Singapore Institute of Standards and Industrial Research.

Machine tool manufacturer Yamazaki Mazak, recently voted the global industry leader by American trade journal *Machinist*, has allocated 180 million yen per year for R&D work in Singapore. The lab carries out research in areas including customized engineering and artificial intelligence.

Company chairman Teruyuki Yamazaki says Singapore was chosen because of its "well-known reputation as

a high technology pursuing nation." Inexpensive labor was not a factor in site selection. Rather, Mr. Yamazaki says, "we must have talented people to utilize the sophisticated equipment." Singapore could provide the goods in terms of both exceptional engineers and excellent infrastructure.

Toshiba, leading manufacturer and supplier of semi-conductors and electron tubes in the Asian market, has its regional headquarters in Singapore and is now setting up a Design Center there to provide engineering support to its customers. This is Toshiba's fourth Design Center in Asia, following Hong Kong, Taiwan and Korea.

Many people in the industry feel that Singapore could still improve.

Mr. Wong of PCI says that the major obstacle his company faces in trying to compete globally in the high-tech market is that "Singapore is a little behind in exposure to innovative market demand in microelectronics." He feels that PCI's marketing department is going to have to beef up efforts to keep abreast of the latest developments of the company's R&D thrust. Mr. Wong would like to see PCI make the transition from a company that manufactures to customer specifications to being an original design manufacturer.

Ms. Chong of Technologies Park concedes that Singapore is now facing competition from immediate neighbors in attracting high-tech investment.

"Malaysia, Indonesia and Thailand are trying to shorten their learning curve," she says. "They want to leap straight into high-technology industries."

However, Singapore is still ahead of these other countries due mainly to the farsightedness of the government in putting the appropriate infrastructure in place.

## Institutes That Sustain R&D Funding

Continued from Page 15

nologies, virtual reality, parallel computers, multimedia processing, neural networks, fuzzy logic and broadband networks.

Among the institute's prototypes for new applications are computer-aided translation of technical manuals from English to Chinese for IBM; a cargo container identification verification system for the Port of Singapore; and a hip replacement visualization system for the NUS Hospital.

Together with Singapore Press Holdings, the island's newspaper publishing monopoly, the Information Technology Institute developed ALEXIS - Auto-Layout with Interactive Support, a program that automates the layout

of some advertising sections in the *Straits Times*.

Another successful collaboration was the development of the Ship Planning System with the Port of Singapore Authority. With this system, the lead time for shippers to bring in their containers has been halved from eight to four hours.

To create and deploy advanced and useful innovations, the ITI was created to bring together R&D talent and infrastructure. It specializes in software engineering, knowledge systems, office communications, image processing, multimedia applications and data visualization.

Strategic, application-specific R&D in wireless communications is the forte at the Center for

Wireless Communications.

This institute focuses on research into modulation and transmission, wireless networking and cellular technology. Current projects include the development with Singapore Telecom of performance measurement of digital cellular mobile radio systems.

The Magnetics Technology Center, which is also situated at the National University of Singapore, provides focus on technologies related to the disk drive industry and offers support on data storage systems, consumer electronics and miniature power supplies. Among the industry leaders that are at present working with MTC are Wearmax, Microplis, Hewlett Packard, Seagate, and SAE.

Advanced computational technology to enhance Singapore's industrial and commercial competitiveness is promoted by the National Supercomputing Research Centre. The center collaborates with industry on projects involving high performance computing and will help companies overcome barriers in integrating high performance computing into their operations.

At present, the center is working with NEC to enhance the competitive advantage of Singapore's financial sector through the development of financial neural network models on NEC supercomputers.

Prototypes are under development for stock price prediction, stock selection, portfolio management and exchange rate analysis.

## Bright New Ideas Need Incubators

Twenty years ago, the Singapore Institute for Standards and Industrial Research was formed as a statutory body to establish and disseminate industrial standards in Singapore. As a third party for certification, it mainly facilitated exports.

Today, SISIR has a second mission - providing industry with high-level research and development on a contract basis. SISIR's laboratories are equipped with 40 million Singapore dollars (\$24.8 million) worth of equipment that is manned by 200 engineers, applied scientists, technologists and researchers.

Asked to clarify SISIR's role among the various research institutes in Singapore, Mr. Steve Lai, assistant chief executive, says, "It may seem that the fields of discipline are similar, but the technical areas of specialization for each research institute are different."

"On top of that, SISIR focuses more on the development and application aspects of R&D and less on basic research. In this regard, we see ourselves as an organization helping companies in their downstream operations."

All of the technology that SISIR translates into business applications evolves from specific industry needs. The institute has three "hard" and two "soft" technology divisions. The hard technology divisions provide applied research capabilities on a contract basis, product and process development, as well as testing and evaluation.

The soft technology arm includes a Standards Division that acts as the National Standards Authority and as the agent for a number of overseas agencies to test products on their behalf. The other soft body is the Technology

### BLACK BOX LAUNCHED FOR MOTOR VEHICLES

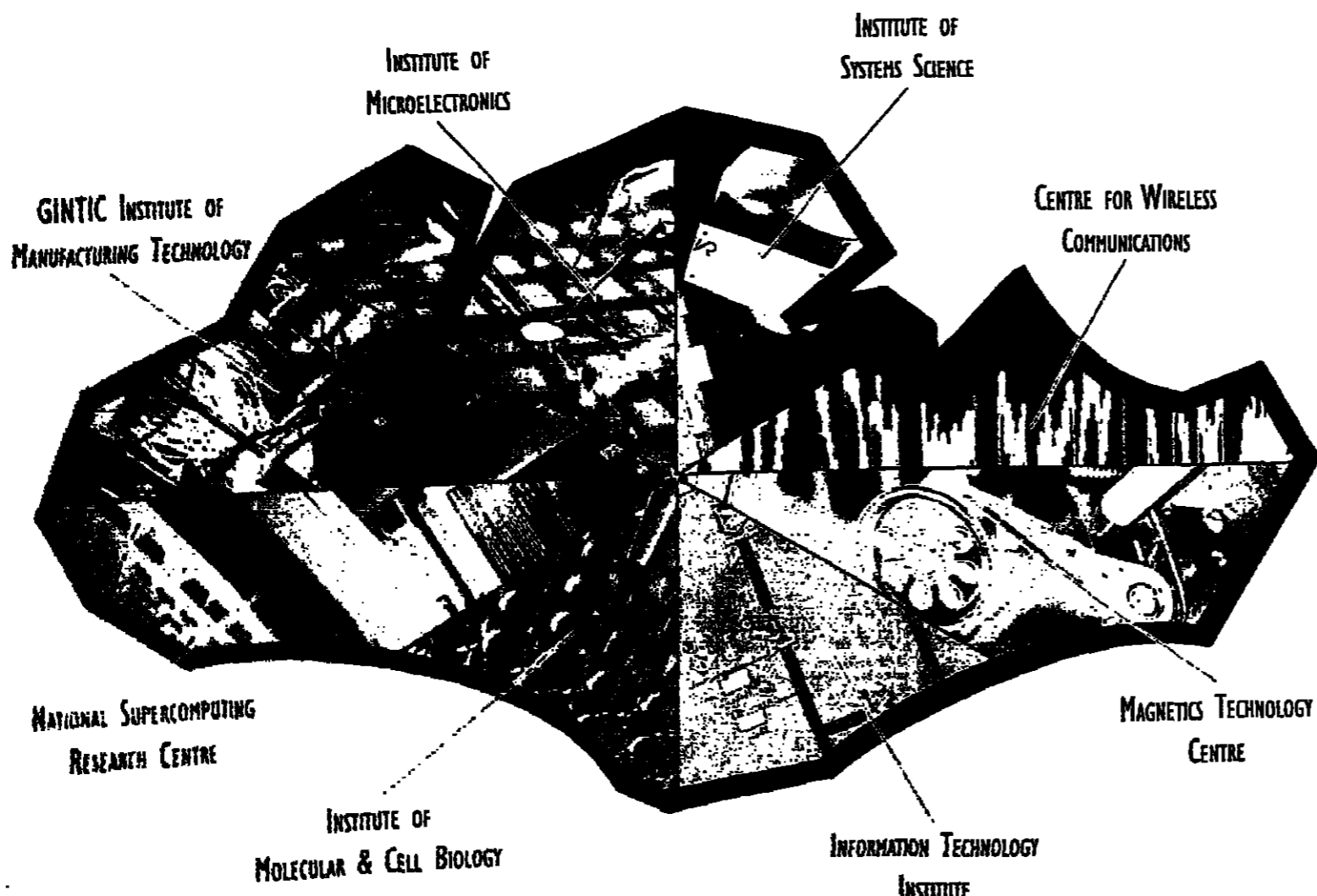
Transfer Division, which facilitates the dissemination and collection of information locally and overseas.

In 1989, SISIR launched its R&D Incubator scheme. Under this program, companies with good ideas but insufficient capital or expertise can "set up shop" at SISIR and be provided with floor space, access to necessary facilities and personnel, plus funding.

SISIR recently announced an NSTB-funded joint project with the Master Printers Association to develop a computer integrated manufacturing process to automate the production planning and shopfloor control systems of the local print industry.

Late last year, Singapore Automotive Engineering Ltd. launched the vehicle equivalent of an aircraft "black box." The black box is slightly larger than a Walkman, weighs about 300 grams and is fitted onto a vehicle's dashboard. It records time, speed, distance traveled and other data and is particularly useful for managing company fleets. SISIR's Design and Development Center assisted in the black box concept design and prototype fabrication. It also provided preproduction consultancy.

# SINGAPORE'S TECHNOLOGY PROVIDERS.



- GINTIC** : Spearheads R&D in technologies strategic to the manufacturing industry.
- IME** : An advanced engineering research centre to enhance the value added to the electronics industries.
- ISS** : The window to next generation technologies, products and services.
- CWC** : Develops leading edge technology in strategic and application-specific wireless communications.
- MTC** : Provides state-of-the-art technologies in magnetics to rotating memory and related industries.
- ITI** : Creates and deploys advanced and useful IT innovations.
- IMCB** : At the forefront of biotechnological research in human health care, agriculture and industrial processes.
- NSRC** : Exploits high performance computing capabilities to assist industry to gain greater competitiveness.

**YOUR PARTNERS IN R&D FOR THE COMPETITIVE EDGE.**

Want to know more about Science and Technology in Singapore?

Advertisers in this section will be happy to supply you with free information about their goods and services.

Just tick the appropriate box(es) and send the completed coupon to:

IHT Singapore  
138 Cecil Street,  
Cecil Court  
Singapore 0106  
Tel.: (65) 223 6478  
Fax: (65) 224 1566.

- The National Science & Technology Board
- PCI LTD
- Singapore Telecom
- Sisir (Singapore Institute of Standards & Industrial Research)
- Sony International
- Technology Parks
- Toshiba Electronics Asia

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
Country: \_\_\_\_\_  
Fax: \_\_\_\_\_



SPORTS TENNIS

Lendl Out With Injury, Graf Marches On



The unseeded Javier Sánchez after he toppled No. 5 Sergi Bruguera in straight sets on Wednesday.

NEW YORK — Ivan Lendl, a three-time U.S. Open champion and seeded 13th this year, quit during the third set of his first-round match Wednesday because of an injured knee. Lendl trailed Neil Borwick of Australia, 4-6, 6-4, 3-1, when he told the chair umpire he could not continue. "I came in with a bad knee and it was getting worse," Lendl said. "I couldn't push off on it and I didn't see any point in playing."

Novotna needed just 56 minutes to beat Iva Majoli 6-3, 6-0, to reach the third round. In other early matches on the tournament's third day, eighth-seeded Andrei Medvedev beat Fernando Meligeni, 6-2, 6-2, 4-6, 6-1; 11th-seeded Goran Ivanisevic used a marathon tiebreaker to beat Daniel Nestor, 6-4, 7-6 (7-5), 7-6 (20-18); the women's fourth seed Conchita Martinez beat Amy Frazier 6-1, 6-0; and ninth-seeded Anke Huber beat Clare Wood 6-4, 6-4. Majoli is a 16-year-old from Zagreb who has been compared with Seles, the women's champion at the Open the last two years who is sidelined while recuperating from a stabbing in April.

Other U.S. Open Results
Men's Singles, First Round
Mikhail Yuzhny, United States, def. Andrei Medvedev (8), Ukraine, 6-4, 6-2, 6-1; Andrei Medvedev (8), Ukraine, def. Andrei Medvedev (8), Ukraine, 6-4, 6-2, 6-1; Andrei Medvedev (8), Ukraine, def. Andrei Medvedev (8), Ukraine, 6-4, 6-2, 6-1; Andrei Medvedev (8), Ukraine, def. Andrei Medvedev (8), Ukraine, 6-4, 6-2, 6-1.

Women's Singles, First Round
Lindsay Davenport, United States, def. Wilhelmina de Groot, Netherlands, 6-4, 6-2, 6-1; Lindsay Davenport, United States, def. Wilhelmina de Groot, Netherlands, 6-4, 6-2, 6-1; Lindsay Davenport, United States, def. Wilhelmina de Groot, Netherlands, 6-4, 6-2, 6-1.

said that experience has given her a boost. "When I was a child I never dreamed of getting through the final of Wimbledon," Novotna said. "So when I made it this year, it gave me a lot of confidence and I hope it shows," added Novotna, who could be facing a rematch with Graf in the semifinals here. "I never look at the draw, who I have to play," she said. "There is no way I am thinking that far at the moment, so don't say anything about the draw anymore."

For Agassi, a Fitting End to a Bad Year

NEW YORK — Andre Agassi's summer of discontent ended with a horrific five-set first-round loss to Thomas Enqvist of Sweden, definitively making 1993 a year Agassi would like to forget. The 6-4, 6-4, 3-6, 6-7 (3-7), 6-2 debut performance at the U.S. Open of the 61st-ranked Enqvist was the latest stumbling block for Agassi, who barely secured the 16th seeded position here. "It is unfortunate to come here and want to win the tournament and get a surprise like that," Agassi said of his latest failure at a major event. "It's dramatic," he added. "If you win, you feel like you are on top of the world and if you lose, you feel like I am right now."

1987 that he has not reached at least one semifinal at a major event. Tomislilic kept him from competing at the Australian Open, a wrist injury kept him idle during the French Open and the eventual champion, Pete Sampras, prevented him from defending his Wimbledon crown by taking him out in the quarterfinals. Enqvist killed Agassi's chances of salvaging the year before he ever got started here. Agassi, who reached the quarterfinals last year, also lost in the Open's first round, to Aaron Krickstein, in 1991. Agassi has always been an athlete who relies on natural talent rather than intricately devised game plans. "I am not the player that responds well to a lot of thinking on court," said Agassi, who recently underwent a coaching change from Nick Bolletieri to Pancho Segura. "It's a big debate in my mind. How much do I just rely on instincts and how much do I really have to have a clue as to what I'm doing?"

Agassi, who normally entertains the crowd with his flamboyant personality and on-court antics, was all business on Tuesday. Unfortunately, business was not going well, as Agassi could not find his form. Despite all the heavy ground strokes he and Enqvist traded, despite all the drop shots and

SIDELINES

Japan Group Backs China 2000 Bid
BEIJING (Reuters) — A private Japanese group is sending 2,000 people to attend China's national games and show their support for Beijing's bid for the 2000 Olympics, the People's Daily reported Wednesday. It said the 2,000, from the Japanese International Cultural Friendship Association, would attend the opening ceremony for the national games on Saturday and would wear hats and wave flags to express their support for Beijing's bid. "Beijing's putting on the Olympics is a matter for all of Asia," an association official was quoted as saying. "The purpose of our activities is to wish Beijing every success in its bid." The International Olympic Committee is to decide on the host of the Games on Sept. 23. Berlin, Istanbul, Manchester and Sydney are also in contention.

Dutch Boat Leads Nations Cup Final
HOORN, the Netherlands (AP) — The Netherlands, skipped by Roy Heinen, took the lead of its group Wednesday in the first day of racing in the Nations Cup yachting final. The Dutch team scored a clean sweep of five victories in the first round of the round-robin tournament. Australia, led by Neville Whittey, took second place in the group after losing only to the Dutch. Brazil and New Zealand each scored two victories to tie for third. Still winds delayed the start of racing in the other group. It appeared that the round would not be held until Thursday. The final ends Saturday.

New Baseball Format Likely in '94
CHICAGO (NYT) — Negotiations between baseball owners and players for expanded playoffs and three-division play very likely will be brief and successful, given the public positions of the two sides, and the new format should be implemented for the 1994 season. Boston's John Harrington, chairman of the owners' schedule format committee, said Tuesday that the owners were prepared to move quickly to realign the National and American Leagues from two divisions each to three each. The Players Association has indicated it would approve an additional round in the pennant playoffs if the owners took that step. When the owners approved the additional round of playoffs for next season, they said they wouldn't consider going to three divisions before 1995. Then Monday, Donald Fehr, head of the Players Association, said that the players opposed expanded playoffs that would include two nonchampionship teams but that they would consider the new round if each league's playoff included three division champions and the second-place team with the best record.

French Soccer Chief To Meet FIFA President

PARIS — The president of the French soccer federation, Jean Fournet-Fayard, said Wednesday that he would meet Joao Havelange, president of FIFA, the sport's world governing body, in Zurich on Monday, to discuss the Marseille-Valenciennes bribery allegations. Fournet-Fayard said he hoped to defuse a growing conflict with FIFA over the investigation into the match-rigging charges. Havelange said in a letter to Fournet-Fayard on Tuesday that he thought French officials were procrastinating in the inquiry and said they must make a decision in the case by Sept. 23 or France could face suspension from international competition. UEFA, European soccer's governing body, also wants French authorities to complete their investigation of Olympique Marseille, the European Champions' Cup holder, before this season's tournament begins this month. UEFA's executive committee is to meet in Zurich on Monday, to decide whether the French champions can defend the cup. Marseille is scheduled to face AEK Athens in a first-round match on Sept. 15. UEFA is said to fear having to exclude Marseille after the start of the competition. The body is awaiting a French league report of a hearing in the case to hold on Saturday. But Fournet-Fayard repeated on Wednesday that his federation could not proceed any faster under French law. "I understand FIFA's impatience, but it is not possible for us to violate French law," he said. "And we cannot change the timetables of the Higher Judicial and Disciplinary Commission. We haven't wasted a minute since the beginning."

Anti-Hooligan Plan Set
French police are to crack down on soccer hooligans to prevent a repeat of the violence that marred a match in Paris last weekend, according to the French sports minister, Michèle Alliot-Marie, Reuters reported from Paris. Details of the campaign were to be unveiled later by the Paris police chief, Alliot-Marie said Tuesday on French television. Ten policemen were injured by Paris Saint-Germain fans in clashes during a league match against Caen at the Parc des Princes.

For the Record
Ghana, the defending champion, beat Chile, 3-0, and Nigeria defeated Poland, 2-1, on Wednesday in Tokyo to set up an all-African final on Saturday in the world under-17 soccer championship. The International Olympic Committee on Wednesday began accepting bids to stage the 2002 Winter Games. The deadline for entries is Feb. 1, 1994, and the choice will be announced on June 16, 1995. Magic Johnson and other former National Basketball Association stars will begin a European tour in Geneva on Oct. 7. They will play in Essen, Germany, on Oct. 10, Berlin on Oct. 12, and Tel Aviv on Oct. 16.

Escorts & Guides

Belgravia Orchids, Mercedes, Belle Epoch, London Escort Agency, International Escorts, London Brazilian Escort, London Paris Escort.

International Classified

Escorts & Guides, Zurich New, Geneva Alliance Int'l, Munich Welcome, Geneva Int'l, Zurich GINA, Morrison Club - Vienna Escort, Vienna Paris - Cote d'Azur, Zurich GINA, Morrison Club - Vienna Escort, Vienna Paris - Cote d'Azur.

Escorts & Guides

Belgravia Orchids, Mercedes, Belle Epoch, London Escort Agency, International Escorts, London Brazilian Escort, London Paris Escort.

INTERNATIONAL CLASSIFIED

Today's International Recruitment, Personal Services, Welcome to the world, BEANOR AUCTIONS, NANCY & DAVID, ANNUOUNCEMENTS, THE AMERICAN UNIVERSITY OF PARIS, INTERNATIONAL BUSINESS LAW, FREE INFORMATION SERVICE, THE AMERICAN UNIVERSITY OF PARIS, TECHNICAL WRITING.

AGS, MOVING, A.G.S. LONDON, A.G.S. PARIS, A.G.S. BERLIN, A.G.S. WARSAW, A.G.S. MADRID, A.G.S. AMSTERDAM, HONG KONG COMPANIES US \$350, BUSINESS TRAVEL.

SAVE ON International Phone Calls, HONG KONG COMPANIES US \$350, BUSINESS TRAVEL.

THE BIT IS NOW AVAILABLE IN MANY U.S. CITIES ON DATE OF ISSUE, HONG KONG COMPANIES US \$350, BUSINESS TRAVEL.

ALCOHOLIC ANONYMOUS, HONG KONG COMPANIES US \$350, BUSINESS TRAVEL.

REAL ESTATE TO RENT/SHARE, PARIS AREA FURNISHED, LE SAINT LOUIS, PARIS, "BETTER THAN A HOTEL", HOME FOR EXECUTIVES, OFFER YOU!

AGENCE CHAMPS ELYSEES, AT HOME IN PARIS, PARIS PROMO, LE CLARIDGE, 74 CHAMPS ELYSEES.

AGENCE CHAMPS ELYSEES, AT HOME IN PARIS, PARIS PROMO, LE CLARIDGE, 74 CHAMPS ELYSEES.

PLANNING TO RUN A CLASSIFIED AD?, EUROPE, MIDDLE EAST, SOUTH AFRICA, NORTH AMERICA, HONG KONG.

EMPLOYMENT DOMESTIC POSITIONS WANTED, NORWEGIAN GENTLEMAN, EXPERIENCED NANNY, SUPER FRENCH CHEF, ACTIVE EARLY RETIRED DUTCH, SUPER FRENCH CHEF, AUTO RENTALS, CENTURY SELF DRIVE, LEGAL SERVICES, LOW COST FLIGHTS.

EMPLOYMENT DOMESTIC POSITIONS WANTED, NORWEGIAN GENTLEMAN, EXPERIENCED NANNY, SUPER FRENCH CHEF, ACTIVE EARLY RETIRED DUTCH, SUPER FRENCH CHEF, AUTO RENTALS, CENTURY SELF DRIVE, LEGAL SERVICES, LOW COST FLIGHTS.

EMPLOYMENT DOMESTIC POSITIONS WANTED, NORWEGIAN GENTLEMAN, EXPERIENCED NANNY, SUPER FRENCH CHEF, ACTIVE EARLY RETIRED DUTCH, SUPER FRENCH CHEF, AUTO RENTALS, CENTURY SELF DRIVE, LEGAL SERVICES, LOW COST FLIGHTS.

EMPLOYMENT DOMESTIC POSITIONS WANTED, NORWEGIAN GENTLEMAN, EXPERIENCED NANNY, SUPER FRENCH CHEF, ACTIVE EARLY RETIRED DUTCH, SUPER FRENCH CHEF, AUTO RENTALS, CENTURY SELF DRIVE, LEGAL SERVICES, LOW COST FLIGHTS.

ART BUCHWALD

Taking Heidi Off Hold

WASHINGTON — When the president came to Martha's Vineyard, I had to put Heidi on hold.



Buchwald

I never met Heidi Fleiss, but she sounds very much like the girl next door. Of course, the girl who lived next door to me was never accused of procreanting.

in the streets and the high cost of hernia operations. Heidi Fleiss has brought us escape from fire, wars and pestilence.

Where I spent the summer, on Martha's Vineyard, the beach was divided with signs — pro-Heidi and anti-Heidi — with the life-guard in between.

Lindbergh Mementoes Stolen

ST. LOUIS, Missouri — Items commemorating aviator Charles Lindbergh's historic trans-Atlantic flight have been stolen from the History Museum in St. Louis.

The Long Hot Summer of Joe McGinniss

By David Streitfeld

WASHINGTON — He's been called a worthless, money-grubbing, no-talent, fraudulent, lying, cheating, sickening, disingenuous sleaze in newspapers and magazines around the world.

McGinniss' real misfortune was to become a symbol of the excesses of contemporary journalism. As the first-person approach developed by the practitioners of the New Journalism evolved over the last decade into a godlike ability to flawlessly re-create events and conversations based on the memory of one or more participants, an inevitable backlash has been brewing.

print, this is effectively a disaster. As McGinniss himself points out, "The bottom half of the list in August is frankly not a hotbed of competition."

McGinniss, 50, was in a uniquely unfortunate position with "The Last Brother." Those who admired his previous work were disappointed that it wasn't the fully researched, heavily footnoted biography of Senator Edward M. Kennedy they expected from the best-selling author of "The Selling of the President, 1968."



McGinniss on the uproar over his Kennedy book: "What I said didn't matter."

a kind of confidence man, seducing their subjects and then betraying them. McGinniss hasn't always needed Malcolm to be his worst publicist.

McGinniss responds, "What I wanted to do with this book required me to think and write about Teddy in a way that hadn't been done before."

PEOPLE

A Lion for Spielberg, But Critics Are Roaring

Steven Spielberg will receive a Golden Lion career award at the Venice Film Festival, and many in the Italian film world are angry that the festival is so heavily Americanized.

Four authors were shortlisted Wednesday for the Irish Times fiction prize: David Malouf of Australia for "Remembering Babylon"; Vikram Seth, India, for "A Suitable Boy"; Philip Roth, U.S., for "Operation Sloyok"; and E. Annie Proulx, U.S., for "The Shipping News." The prizes will be given in October.

INTERNATIONAL CLASSIFIED

TO OUR READERS IN BUDAPEST: Hand delivery of the IHT is now available on the day of publication. Call today: 161-3068

WEATHER

Weather forecast section including maps for Europe, Asia, North America, and Latin America, with temperature and precipitation data for various cities.

CROSSWORD

Crossword puzzle section with clues for Across and Down, and a solution to the puzzle from Sept. 1.

"I wonder if the little guy had fun today?"



Sharing the day's events with loved ones back in the States has never been easier. Whenever you're away, simply dial the AT&T access number of the country you're calling from and an English-speaking AT&T Operator or voice prompt will put you through in seconds.

Table of AT&T Access Numbers for various countries, including Andorra, Armenia, Austria, Bahrain, Belgium, Bulgaria, Cape Verde Islands, Croatia, Cyprus, Czech Rep., Denmark, Egypt, Finland, France, Gabon, Gambia, Germany, Ghana, Gibraltar, Greece, Hungary, Iceland, Ireland, Israel, Italy, Ivory Coast, Kenya, Lebanon, Liberia, Lithuania, Luxembourg, Malta, Monaco, Netherlands, Nigeria, Norway, Poland, Portugal, Romania, Russia, San Marino, Saudi Arabia, Slovakia, Spain, Sweden, Switzerland, Turkey, U.A.R. Emirates, UK, Zambia, and Zimbabwe.

مركز من الأصل